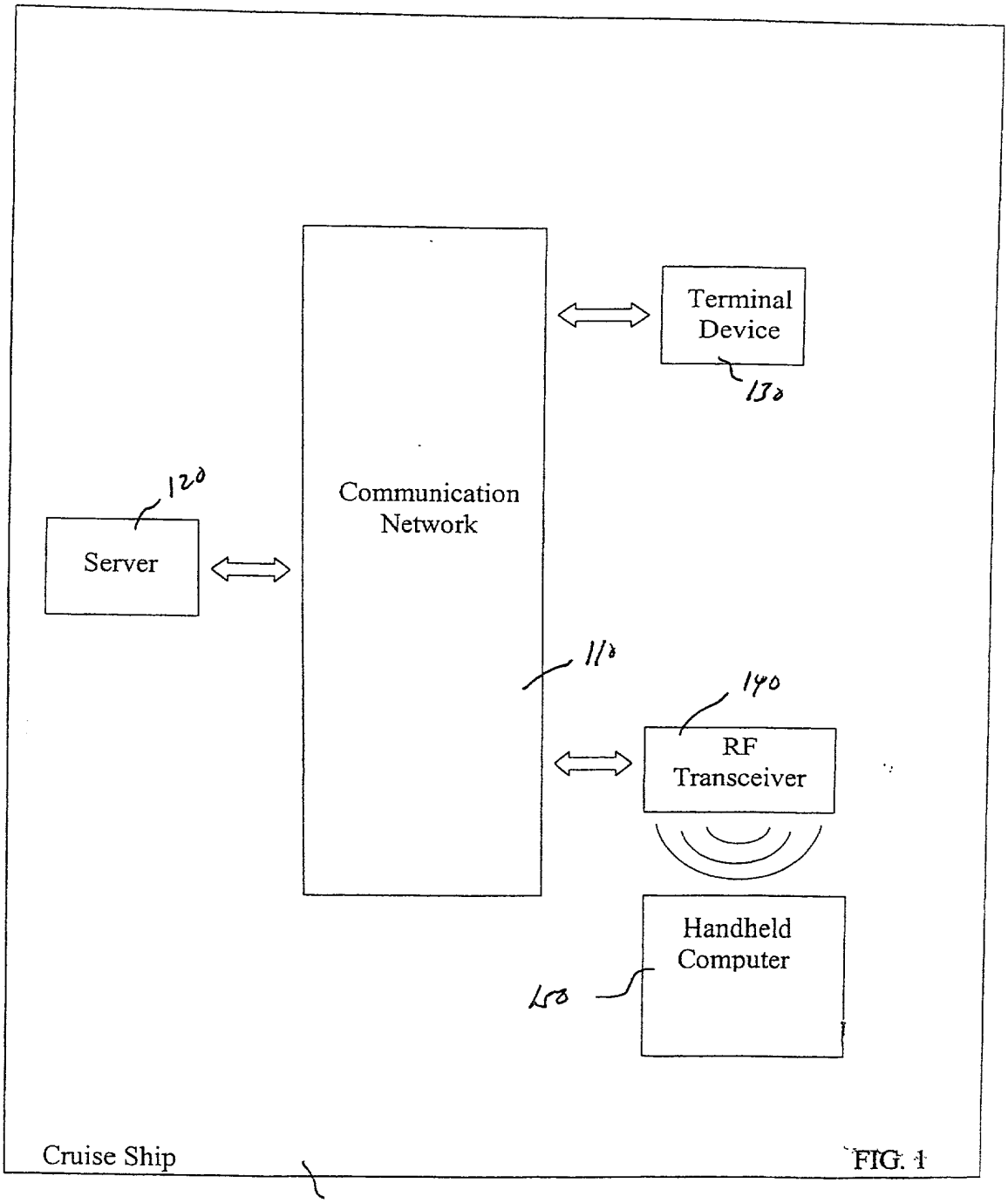

Terminal Device
130
120
Server
Communication Network
110
140
RF Transceiver
Handheld Computer
150
Cruise Ship
100

FIG. 1

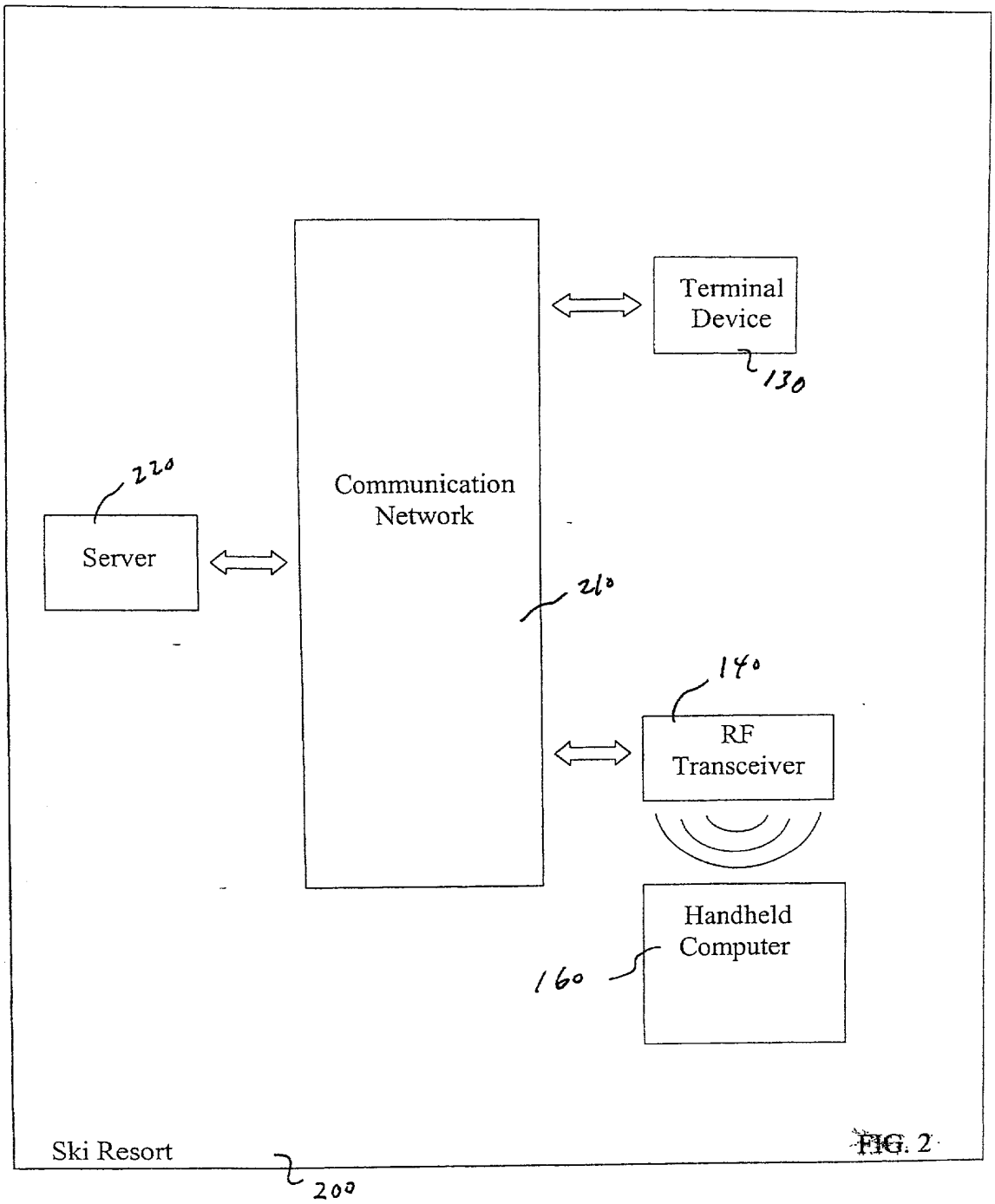

Terminal Device
130
220
Server
Communication Network
210
140
RF Transceiver
Handheld Computer
160
Ski Resort
200

FIG. 2

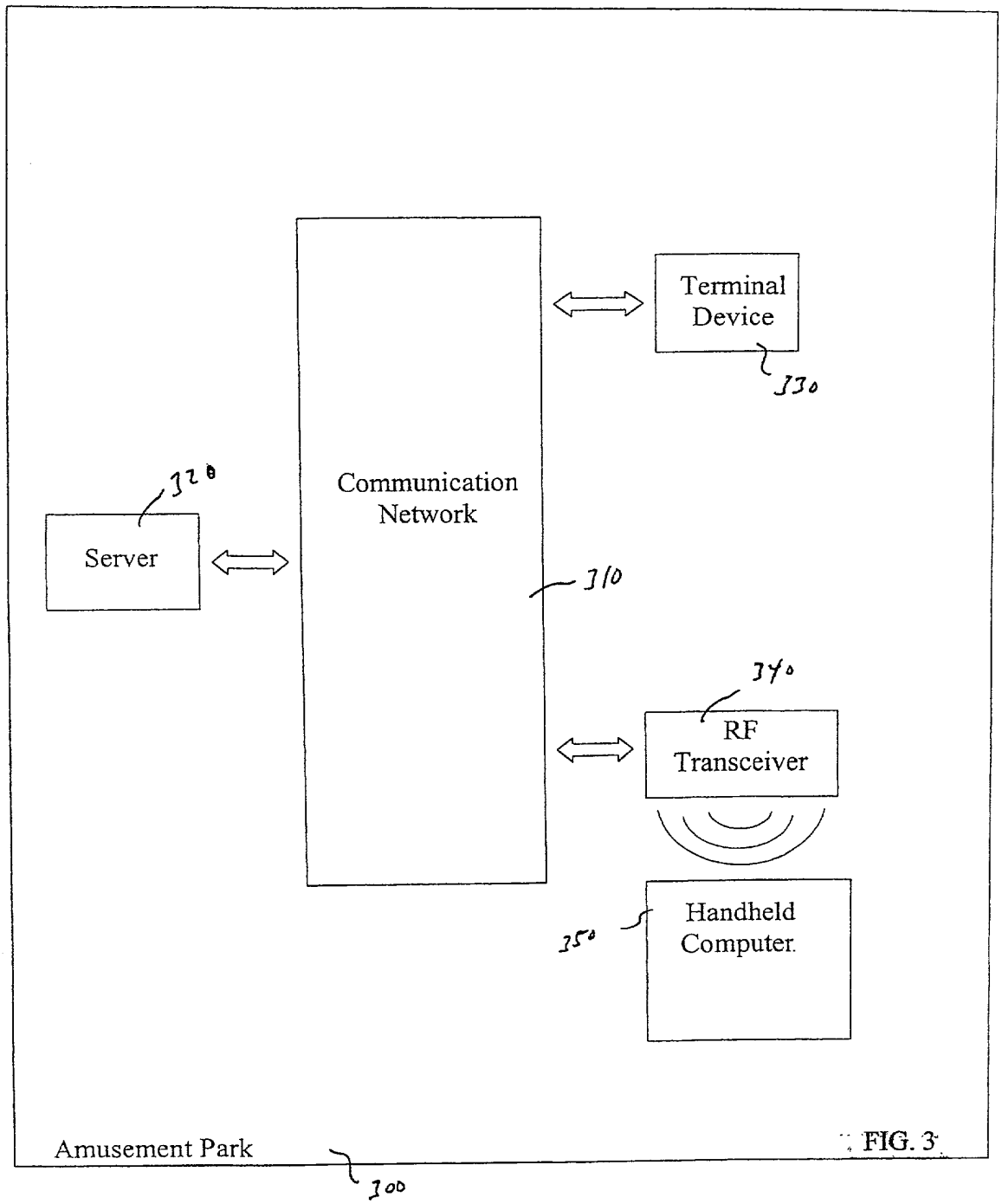

Terminal Device
330
Communication Network
320
Server
310
340
RF Transceiver
Handheld Computer
350
Amusement Park
300

FIG. 3

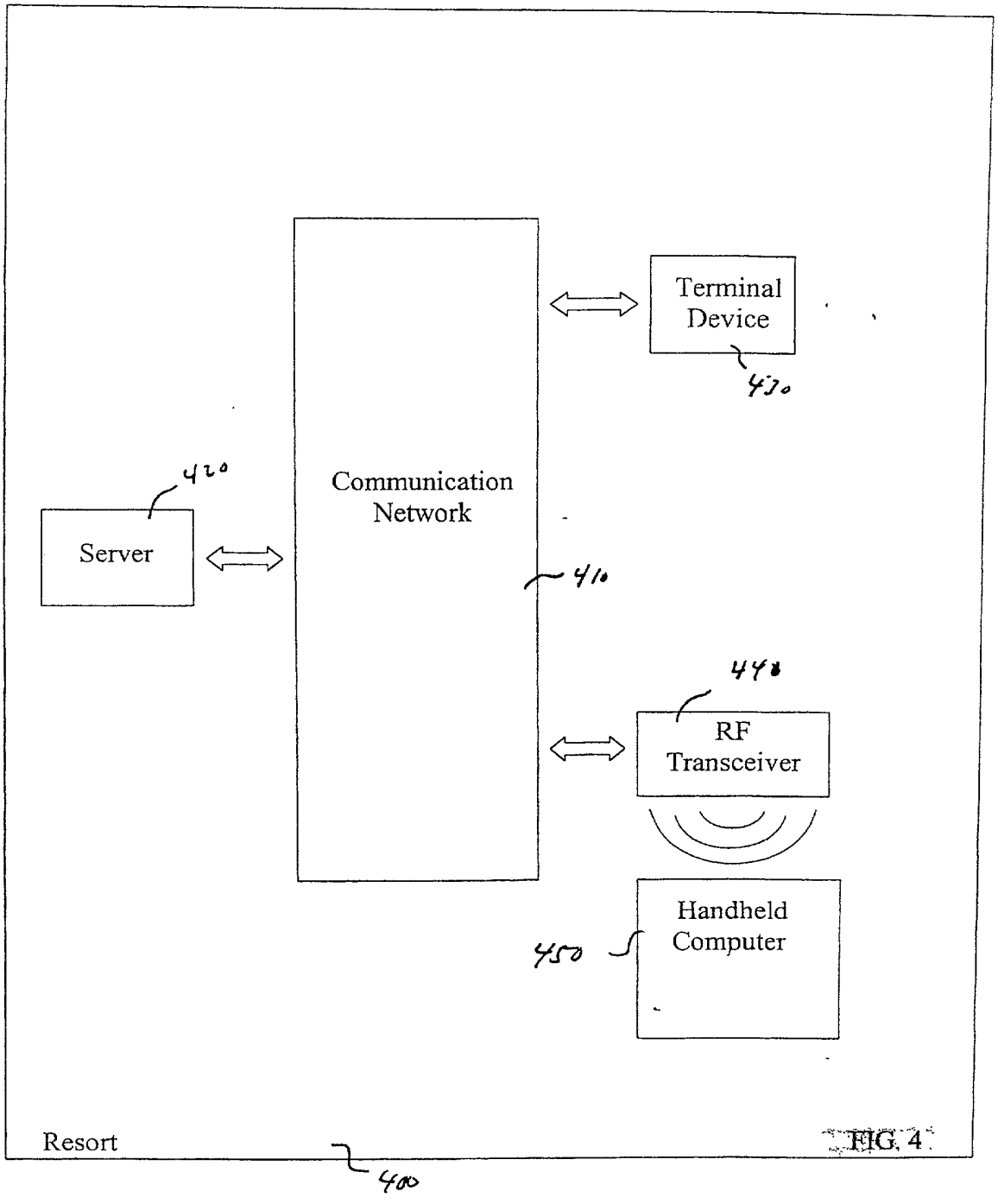

Terminal Device
430
Communication Network
410
Server
420
RF Transceiver
448
Handheld Computer
450
Resort
400

FIG. 4

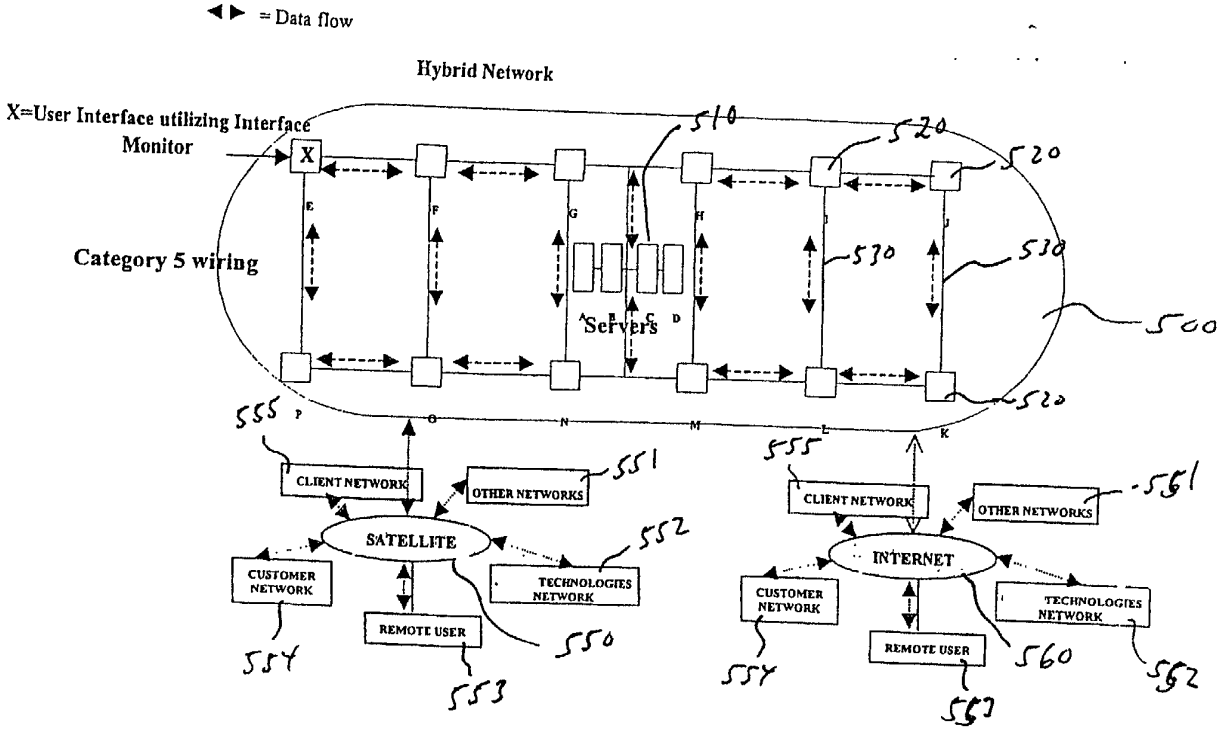

◄► = Data flow
Hybrid Network
X=User Interface utilizing Interface Monitor
Category 5 wiring
X
Servers
510
520
530
500
555
CLIENT NETWORK
OTHER NETWORKS
551
SATELLITE
552
CUSTOMER NETWORK
TECHNOLOGIES NETWORK
REMOTE USER
554
550
553
561
INTERNET
560
562
557

FIG. 5

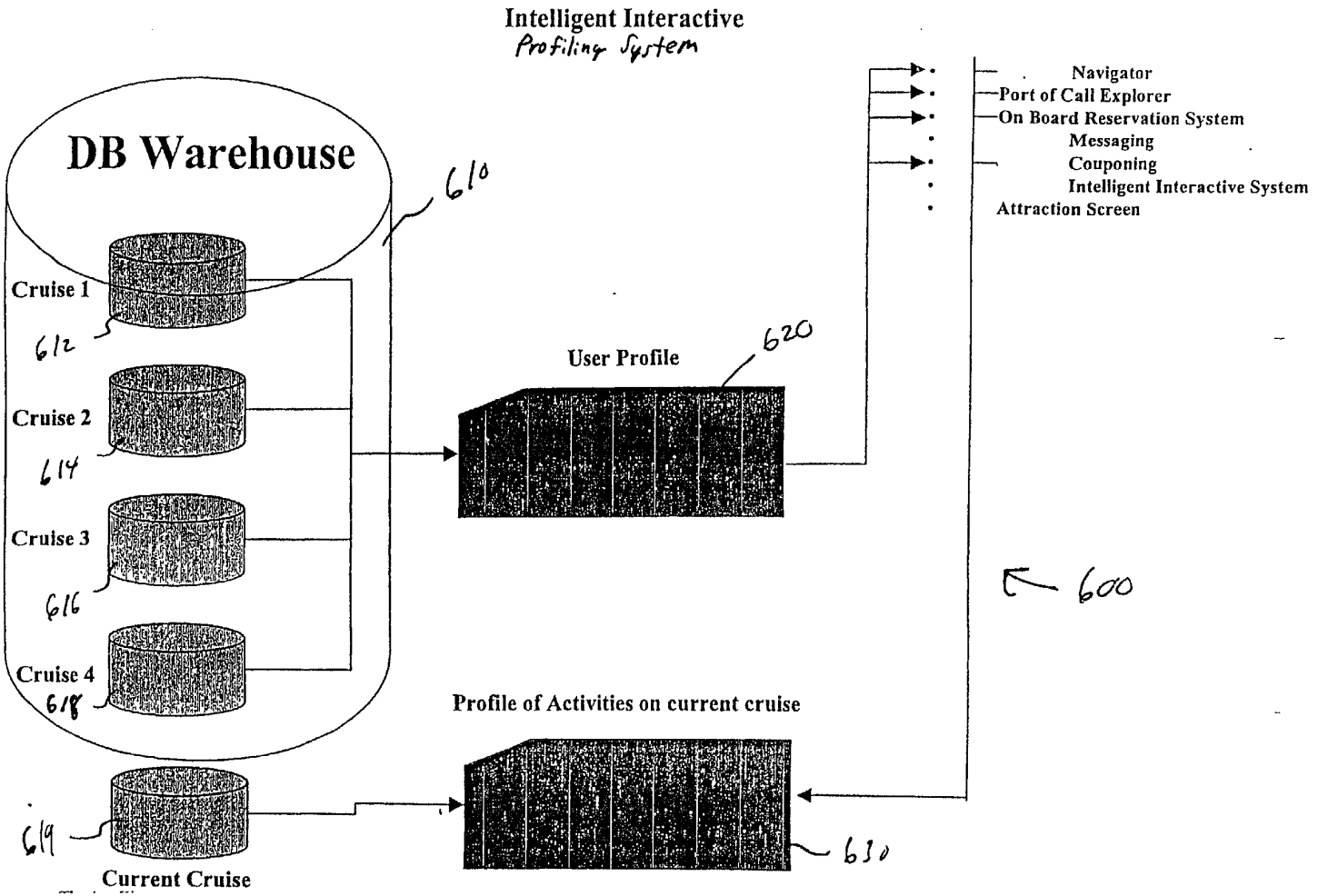
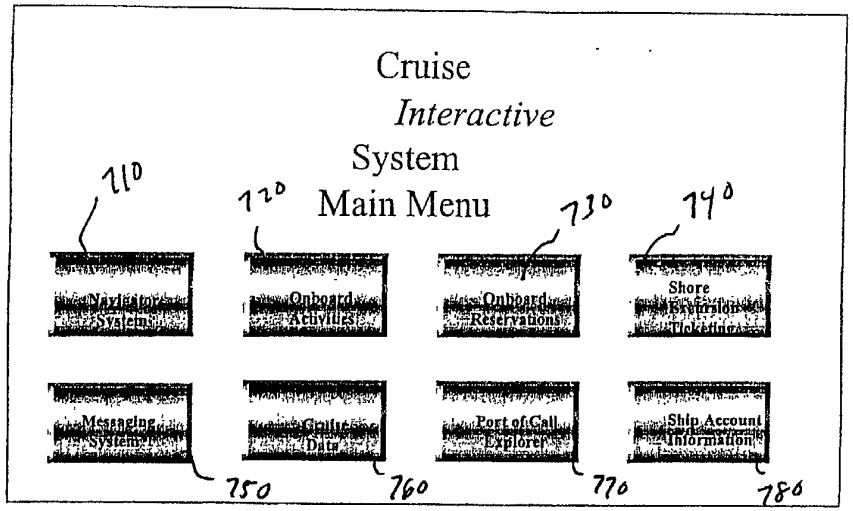

Intelligent Interactive
Profiling System
DB Warehouse
610
Cruise 1
612
Cruise 2
614
Cruise 3
616
Cruise 4
618
Current Cruise
619
User Profile
620
Profile of Activities on current cruise
630
Navigator
Port of Call Explorer
On Board Reservation System
Messaging
Couponing
Intelligent Interactive System
Attraction Screen
600

FIG. 6



Example Main Menu Graphic User Interface used when system activated

FIG. 7

20hTTO"605/88360

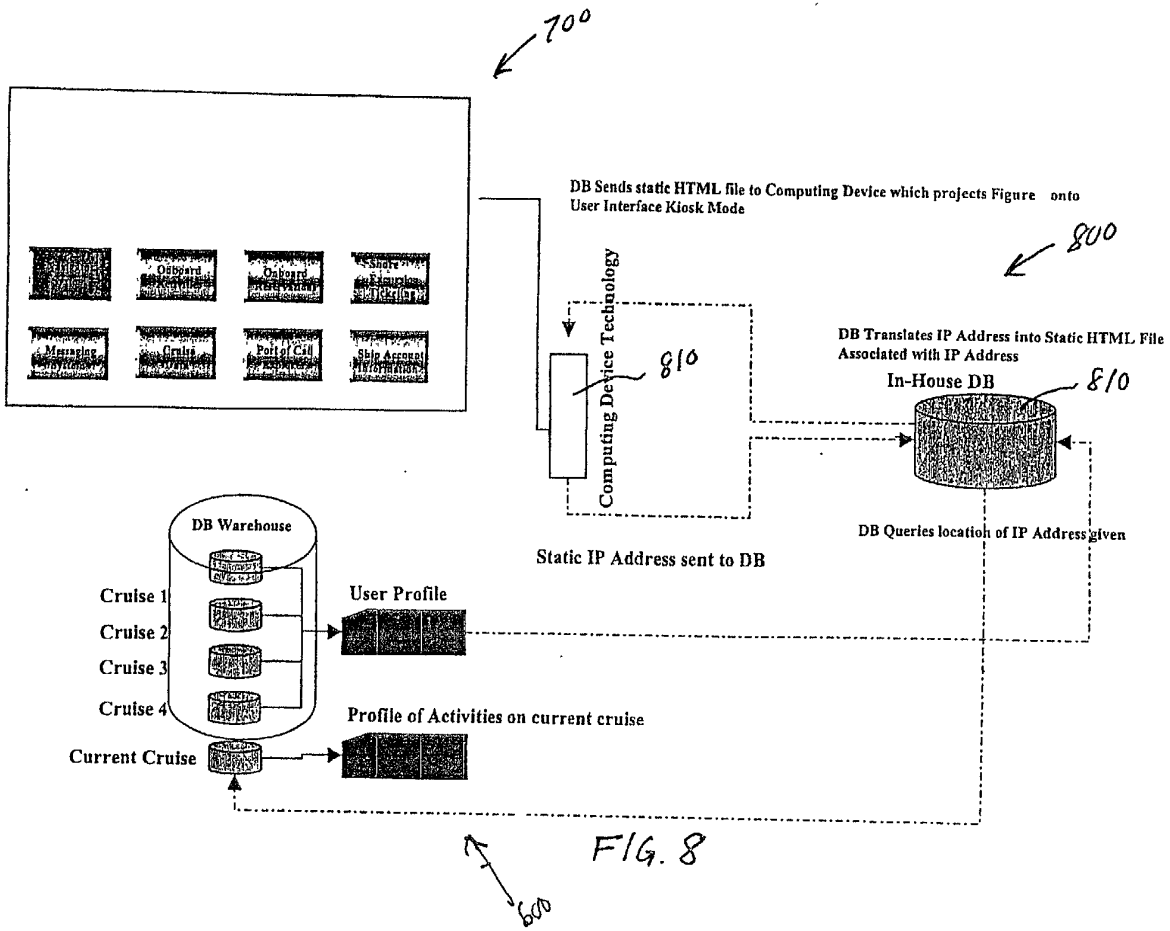
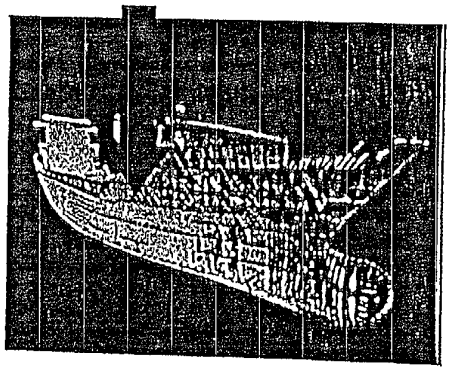


FIG. 8

Navigator System

900

You Are Here



Atlantic Deck
Mid - Ship

905 910

Where Would You Like To Go?

915 920 925

Swimming Pool | Spa | Captain's Pub | Jogging Track | Tony's Restaurant

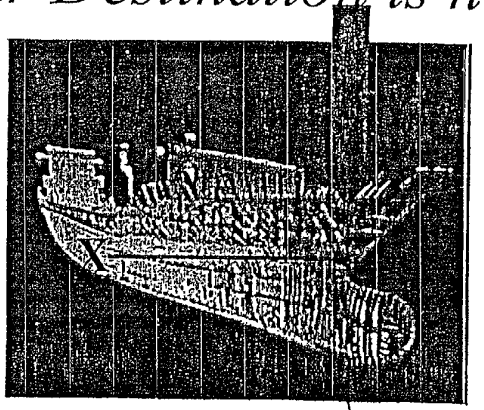
930 940 950 955 960

Shops | Business Center | Jazz Nightclub | Doctor | Main Dining | Back to Main

FIG. 9

Navigator System

Your Destination is here



1000

1010

Take Elevator To Main Deck
Walk Toward Aft (back) of ship
Swimming Pool will be on you right

Rerun 3D Animator

1020

1025

Print Directions

1012

1030

Two for One Drink Special from 4 - 6 PM Today - Captain's Pub

Print Coupon

1035

Back to Main Menu

FIG. 10

20HTTD" 6052896D

Cruise Line
Daily Activities

What's happening onboard

Please Swipe your
Room Card Here
To
Begin

1100

FIG. 11

Back to Main Menu

20+T:0" 6054886D

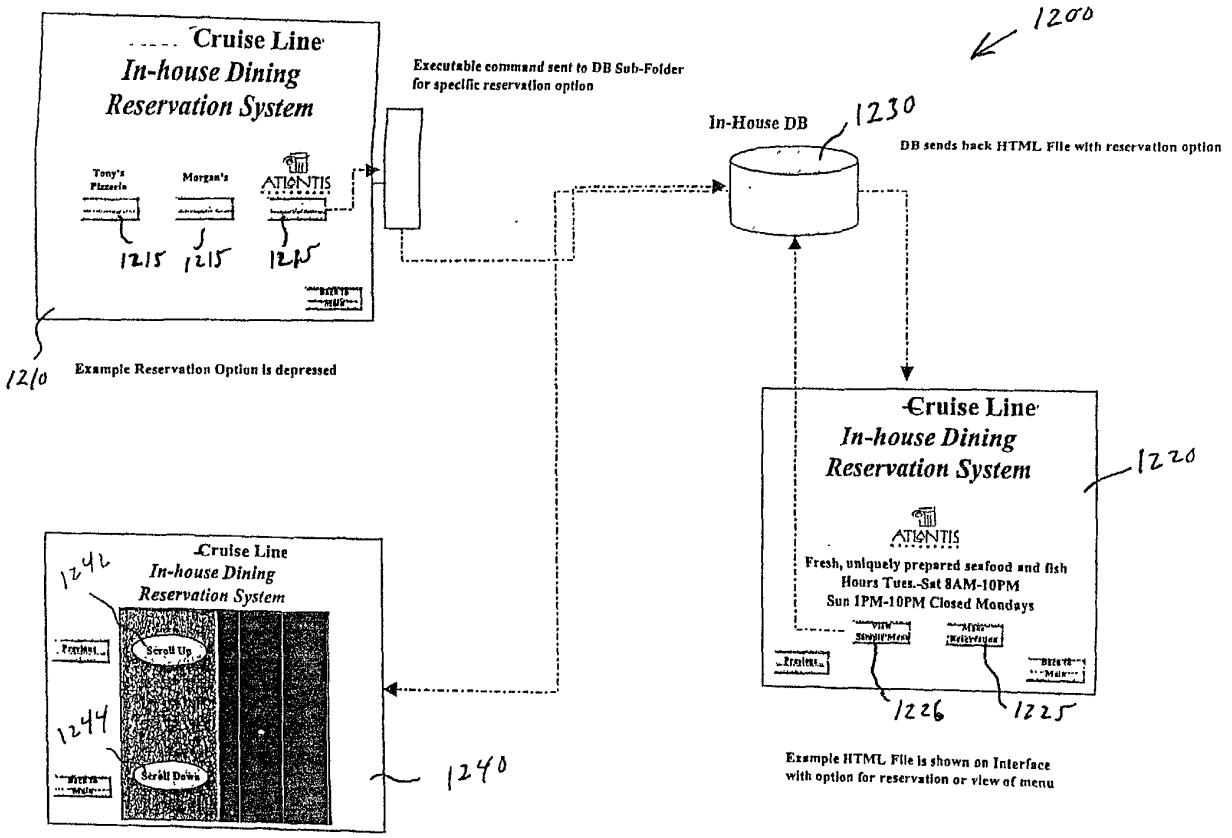


FIG. 12

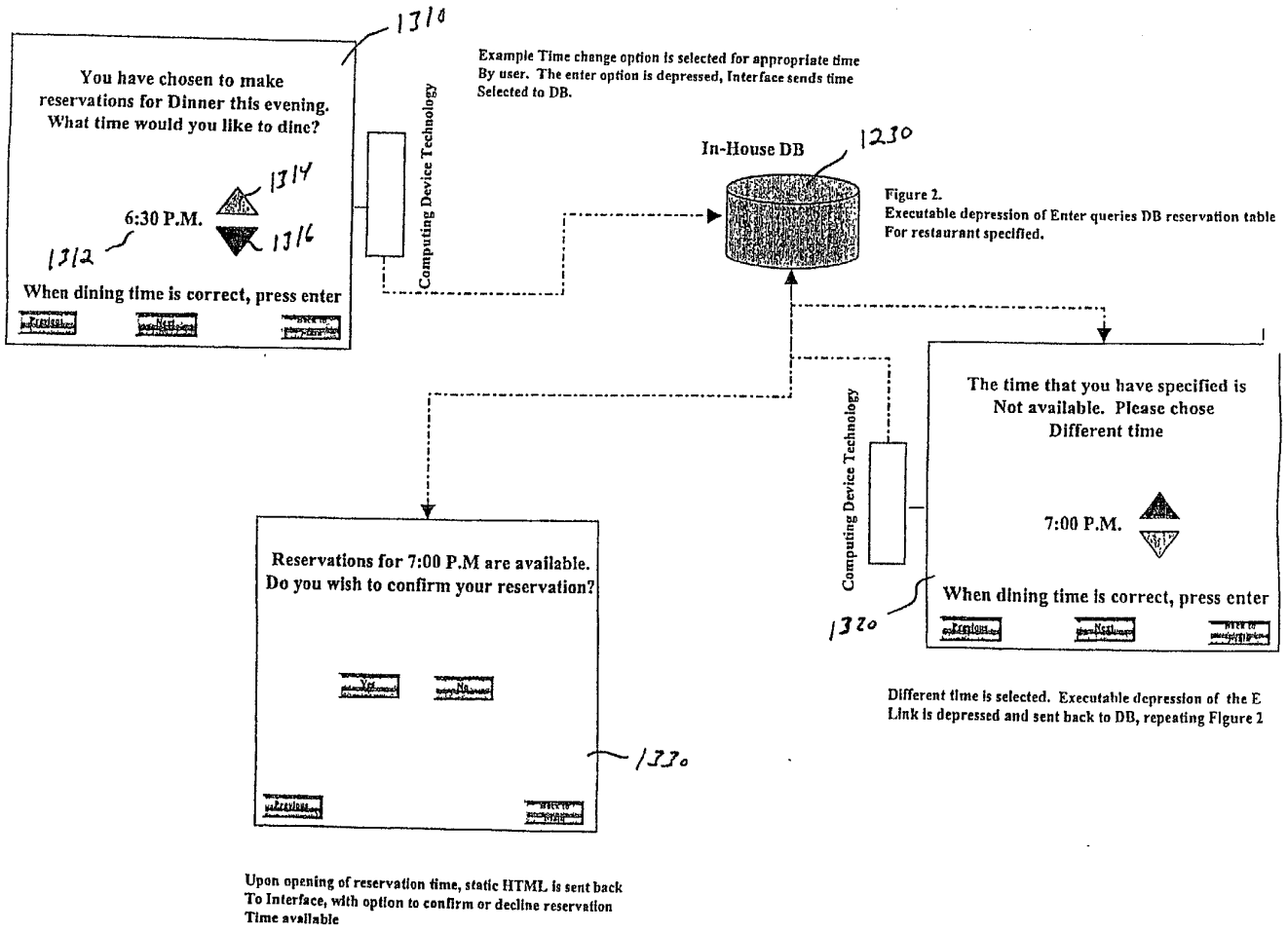

1310
You have chosen to make reservations for Dinner this evening. What time would you like to dine?
1314
6:30 P.M.
1316
1312
When dining time is correct, press enter
Computing Device Technology
Example Time change option is selected for appropriate time By user. The enter option is depressed, Interface sends time Selected to DB.
In-House DB
1230
Figure 2.
Executable depression of Enter queries DB reservation table For restaurant specified.
The time that you have specified is Not available. Please chose Different time
7:00 P.M.
When dining time is correct, press enter
1320
Computing Device Technology
Different time is selected. Executable depression of the E Link is depressed and sent back to DB, repeating Figure 2
Reservations for 7:00 P.M are available. Do you wish to confirm your reservation?
1330
Upon opening of reservation time, static HTML is sent back To Interface, with option to confirm or decline reservation Time available

FIG. 13

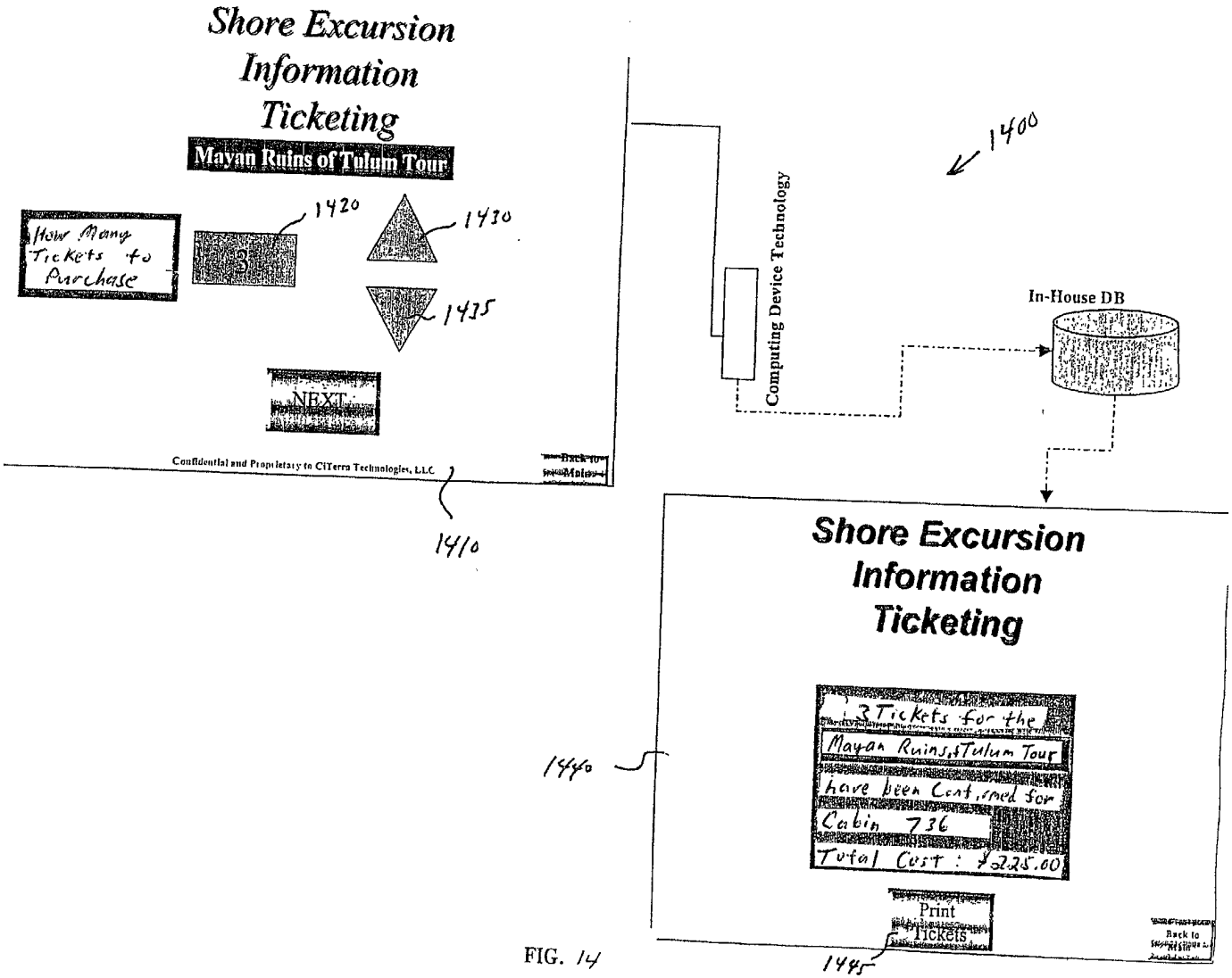

Shore Excursion
Information
Ticketing
Mayan Ruins of Tulum Tour
How Many Tickets to Purchase
3
1420
1430
1435
NEXT
Confidential and Proprietary to CITerra Technologies, LLC
1410
1400
Computing Device Technology
In-House DB
Shore Excursion
Information
Ticketing
3 Tickets for the
Mayan Ruins of Tulum Tour
have been confirmed for
Cabin 736
Total Cost : $225.00
1440
Print
Tickets
1445

FIG. 14

Shore Excursion Information Ticketing

1440

3 Tickets for the

Mayan Ruins Tour of Tulum

have been confirmed

for Cabin 736

Total Cost: $225.00

Print Tickets

1445

FIG. 15

Back to Main

Shore Excursion Information & Ticketing

Cozumel, Mexico

1600

Saturday ,May 27

1610

Snorkel the Columbian Reef

Come snorkel in one of the world's most breathtaking reefs.
$40.00 per person, Departures 2:00 and 3:15 PM , 2 1/2 hours long.

1620

Mayan Ruins of Tulum

Journey back in time to the fantastic Mayan Civilization.
$75.00 per person, Departure 2:30 PM , 3 1/2 hours long.

1630

Jeep Tour of Jungle

Adventure by Jeep of road through the jungle to Ilsa Passion.
$70.00 per person, Departure immediately upon arrival,6 hours long.

Press Button of Interest to Proceed

Back to Main Menu

FIG. 16

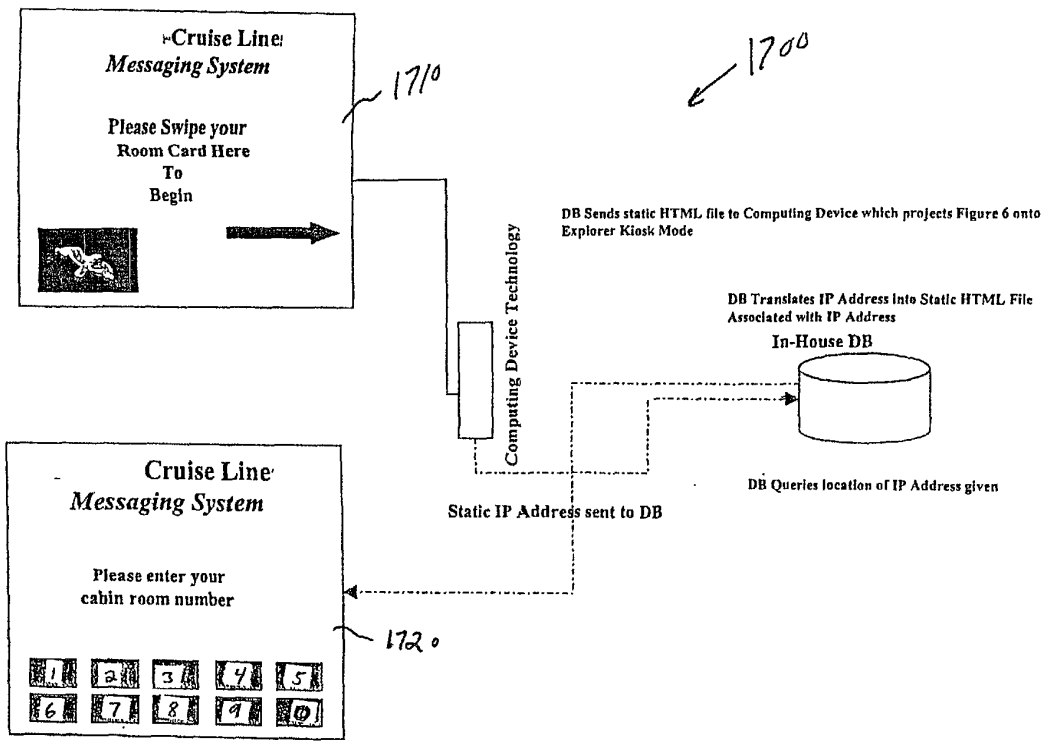

Cruise Line
Messaging System
Please Swipe your
Room Card Here
To
Begin
1710
1700
DB Sends static HTML file to Computing Device which projects Figure 6 onto Explorer Kiosk Mode
Computing Device Technology
DB Translates IP Address into Static HTML File Associated with IP Address
In-House DB
DB Queries location of IP Address given
Static IP Address sent to DB
Cruise Line
Messaging System
Please enter your
cabin room number
1720
1 2 3 4 5
6 7 8 9 0
Back to
Main Menu

FIG. 17

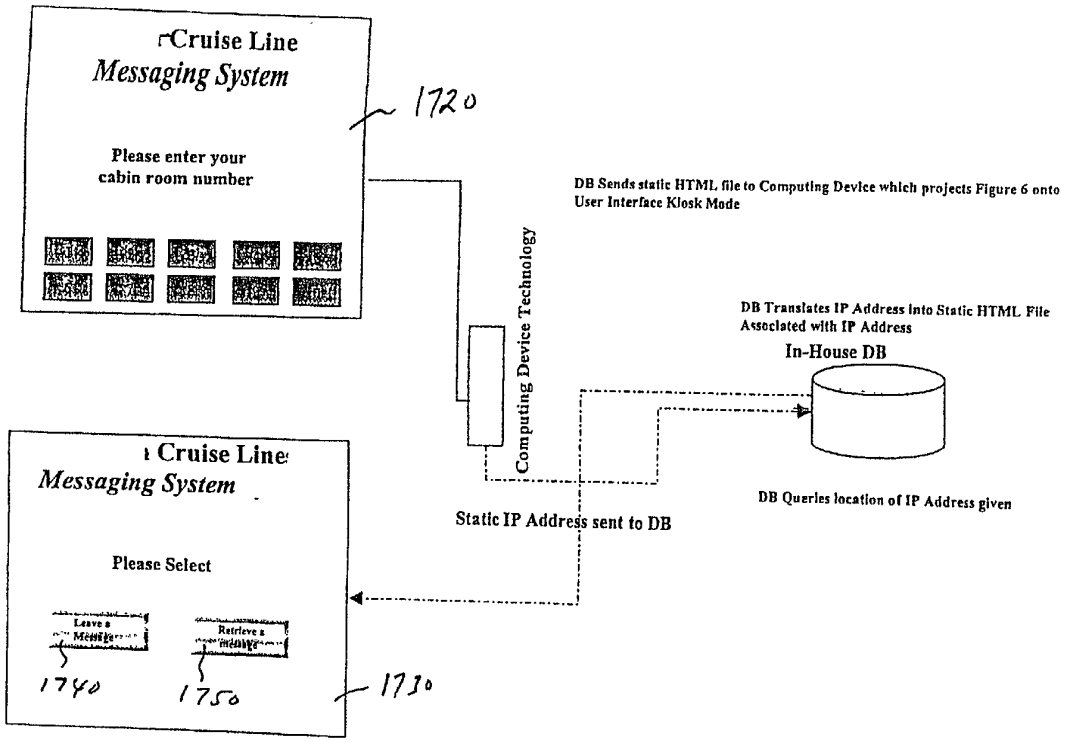
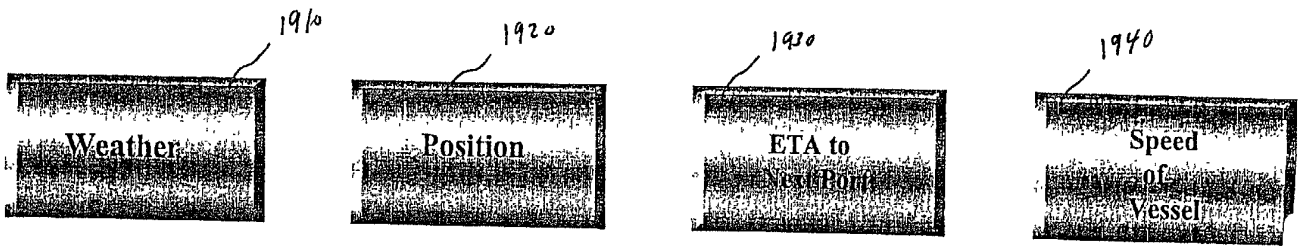


FIG. 18

Back to Main

Cruise Info Center
Main Menu

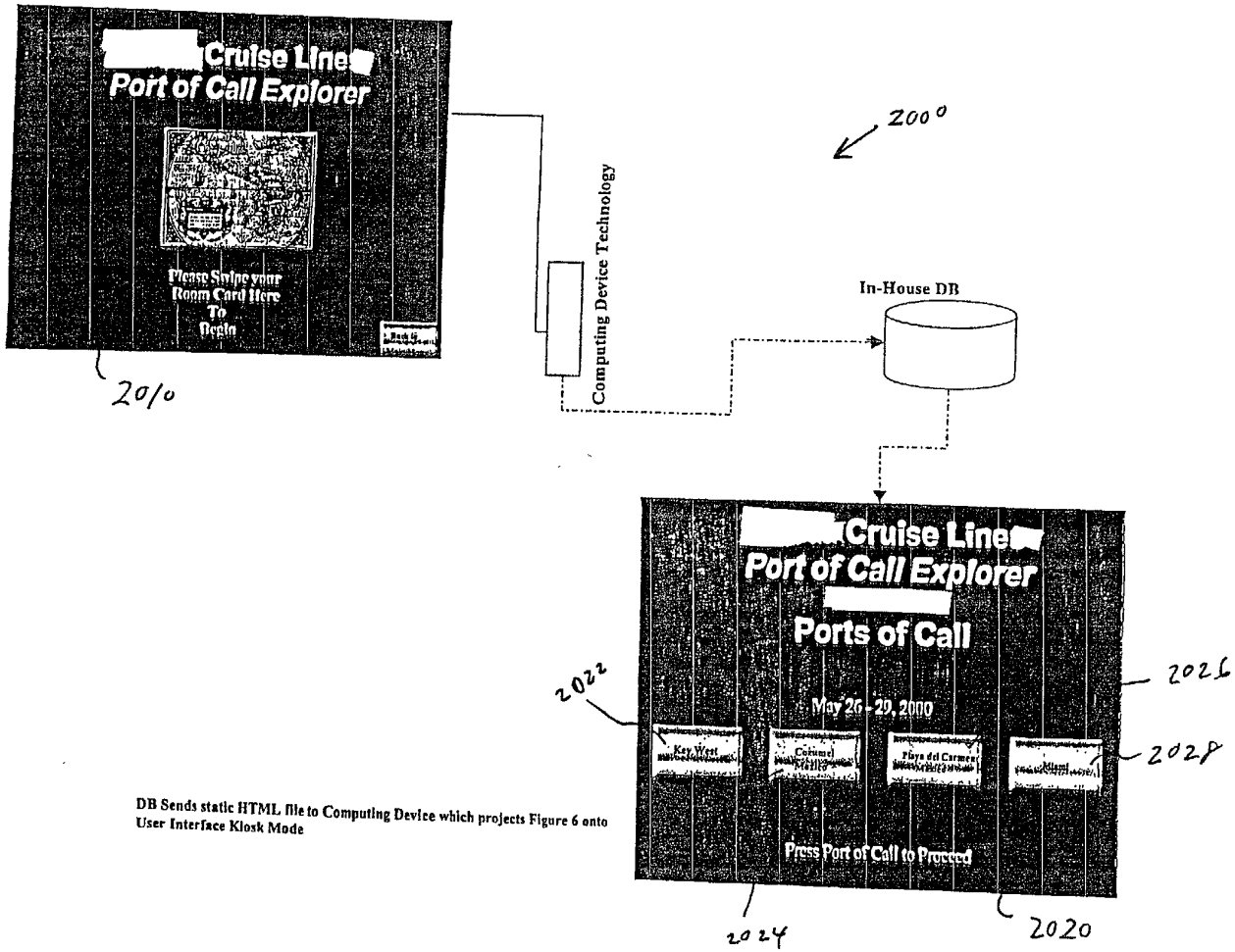


1900

Press Button to Proceed

Back to
Main Menu

FIG. 19



DB Sends static HTML file to Computing Device which projects Figure 6 onto User Interface Kiosk Mode

FIG. 20

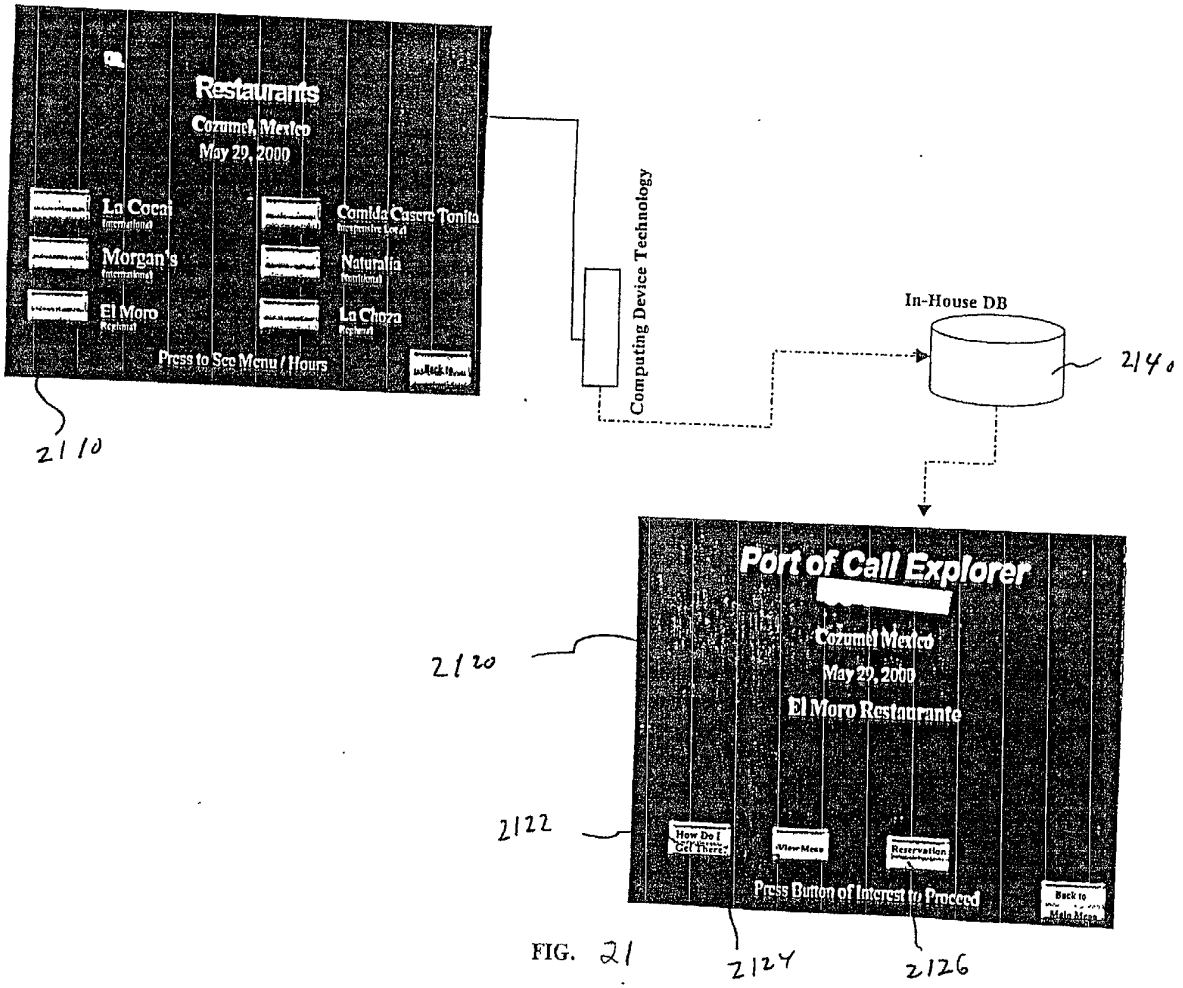

Restaurants
Cozumel, Mexico
May 29, 2000
La Cocai
Comida Casera Tonita
Morgan's
Naturalia
El Moro
La Choza
Press to See Menu / Hours
2110
Computing Device Technology
In-House DB
2140
Port of Call Explorer
Cozumel Mexico
May 29, 2000
El Moro Restaurante
2120
2122
How Do I Get There?
Reservation
Press Button of Interest to Proceed
2124
2126

FIG. 21

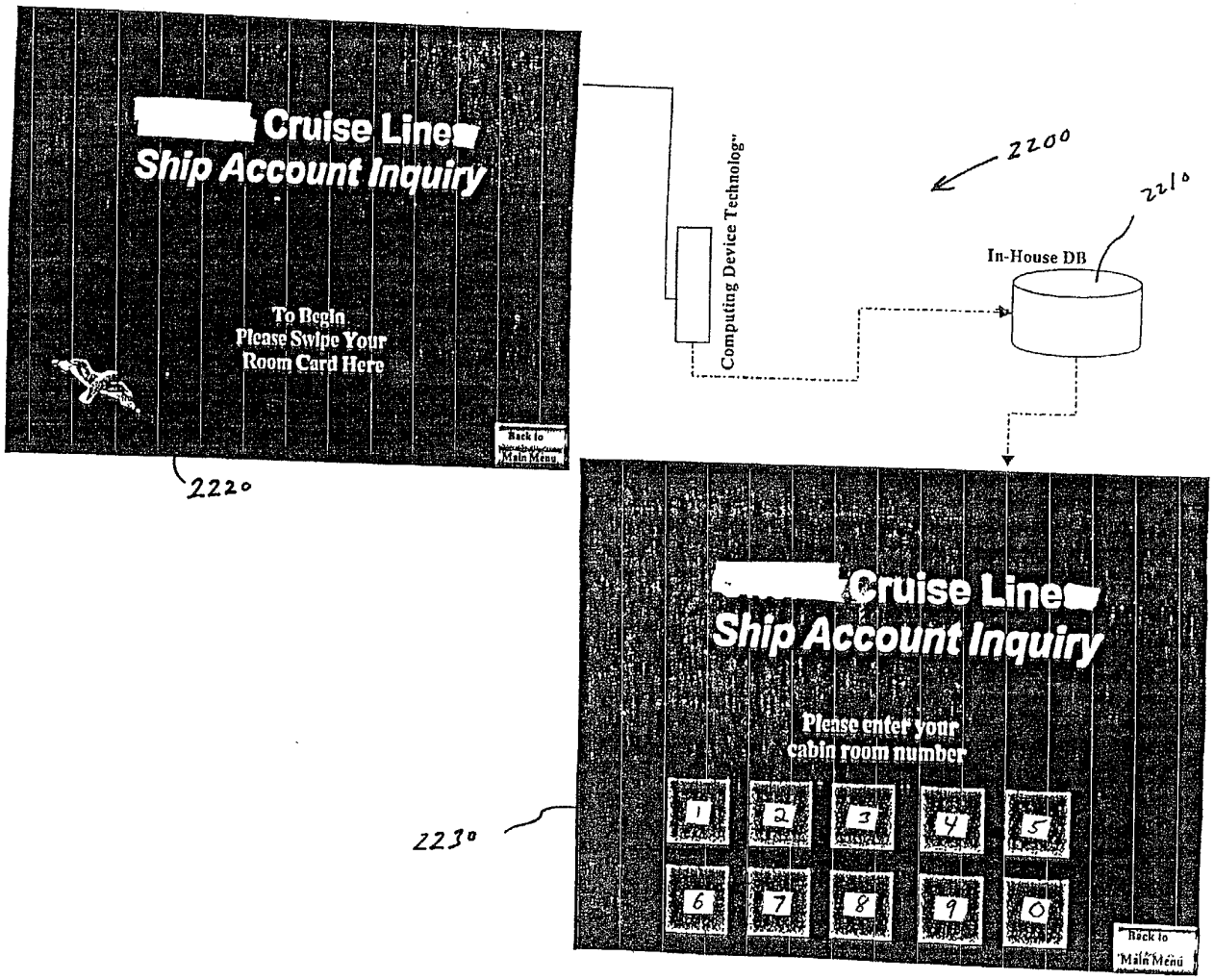

[redacted] Cruise Line
Ship Account Inquiry
To Begin
Please Swipe Your
Room Card Here
Back to Main Menu
2220
Computing Device Technology
2200
2210
In-House DB
2230
[redacted] Cruise Line
Ship Account Inquiry
Please enter your
cabin room number
1
2
3
4
5
6
7
8
9
0
Back to Main Menu

FIG. 22

Cruise Line

Ship Account Inquiry

2300

Choose Inquiry

Last Five Transactions

2310

All Transactions

2310

Print Statement

2320

FIG. 23

Back to Main

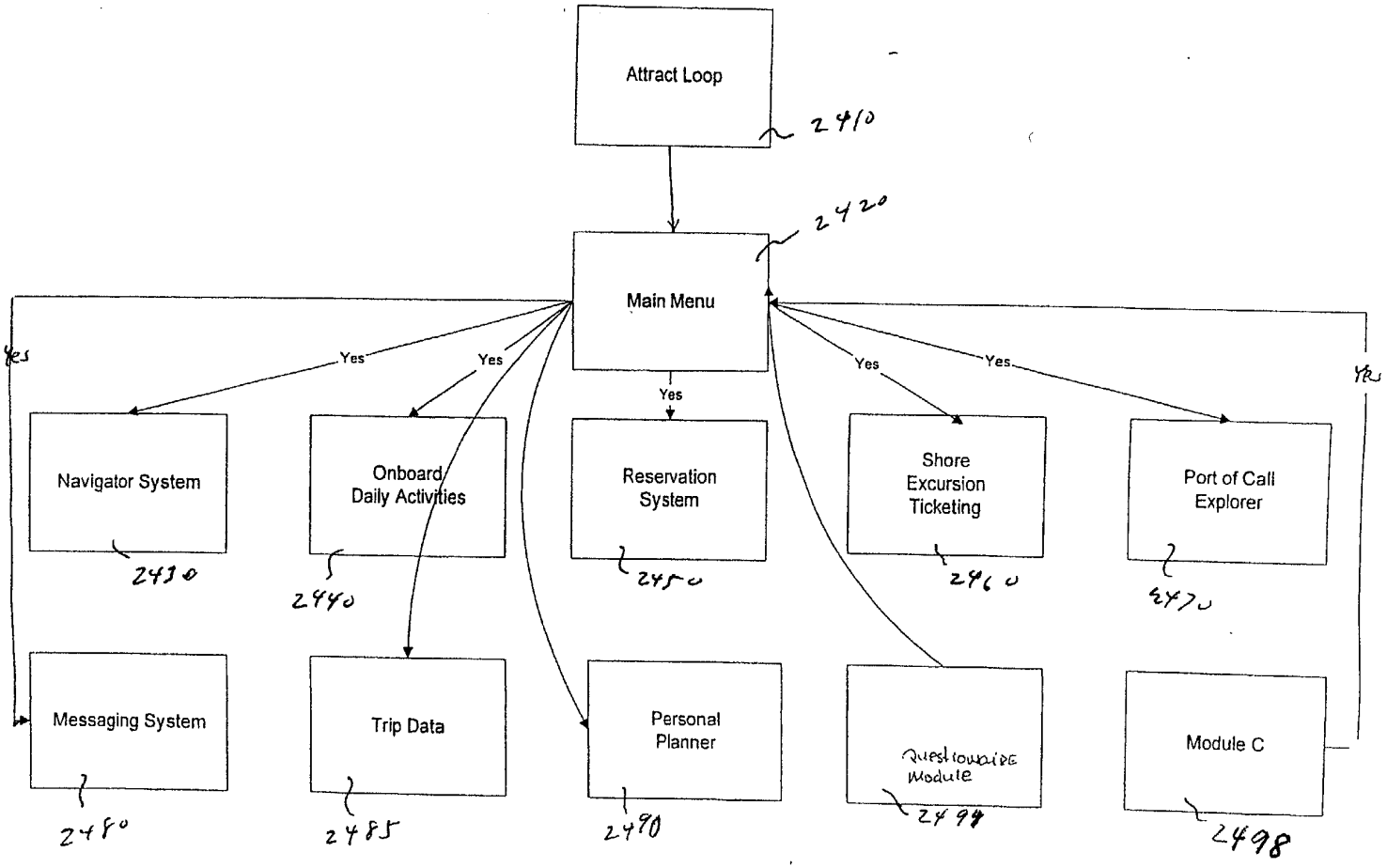

Attract Loop
2410
2420
Main Menu
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Navigator System
2430
Onboard Daily Activities
2440
Reservation System
2450
Shore Excursion Ticketing
2460
Port of Call Explorer
2470
Messaging System
2480
Trip Data
2485
Personal Planner
2490
Questionaire Module
2494
Module C
2498

FIG. 24

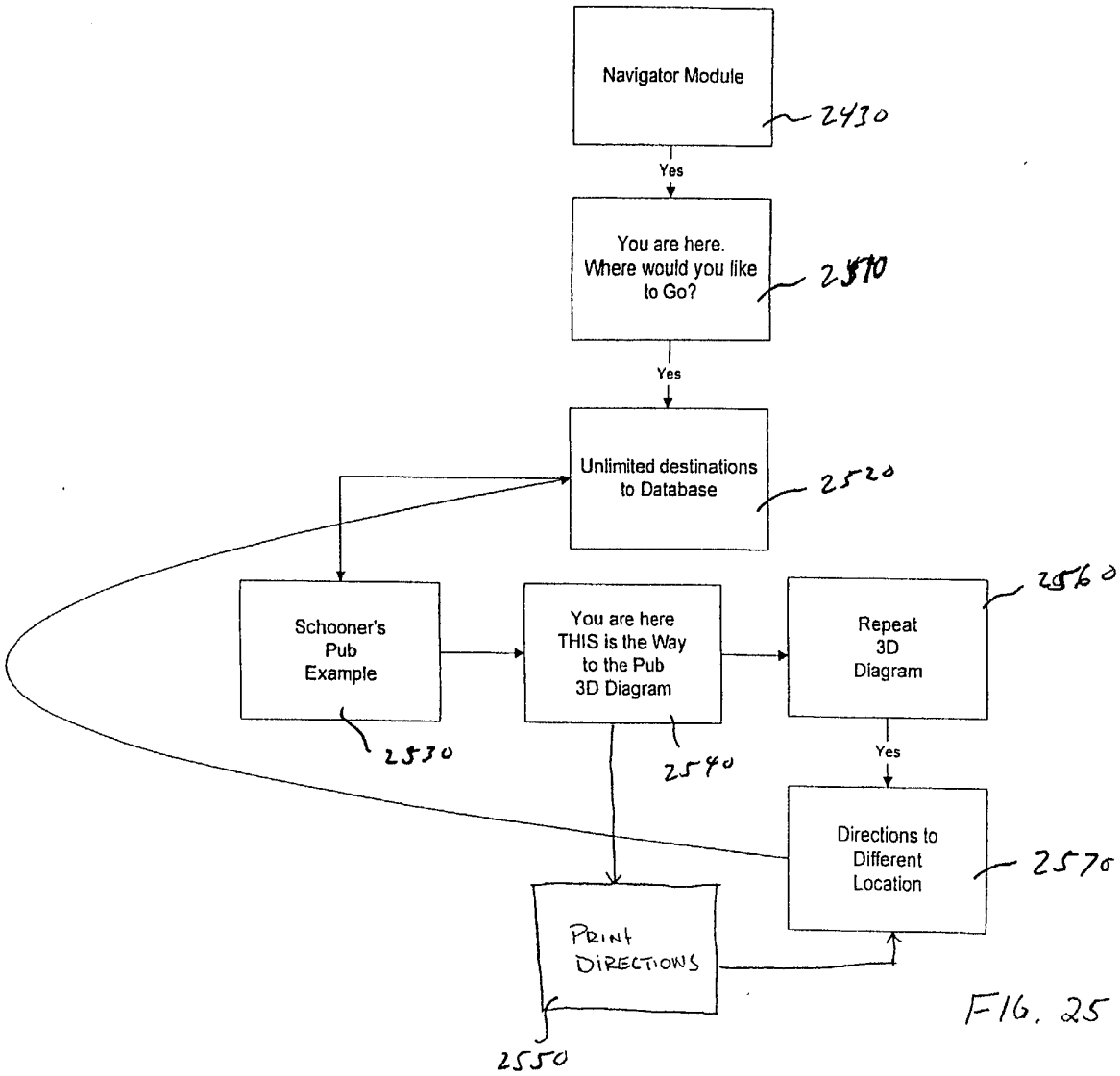

Navigator Module
2430
Yes
You are here.
Where would you like
to Go?
2510
Yes
Unlimited destinations
to Database
2520
Schooner's
Pub
Example
2530
You are here
THIS is the Way
to the Pub
3D Diagram
2540
Repeat
3D
Diagram
2560
Yes
Directions to
Different
Location
2570
Print
Directions
2550

FIG. 25

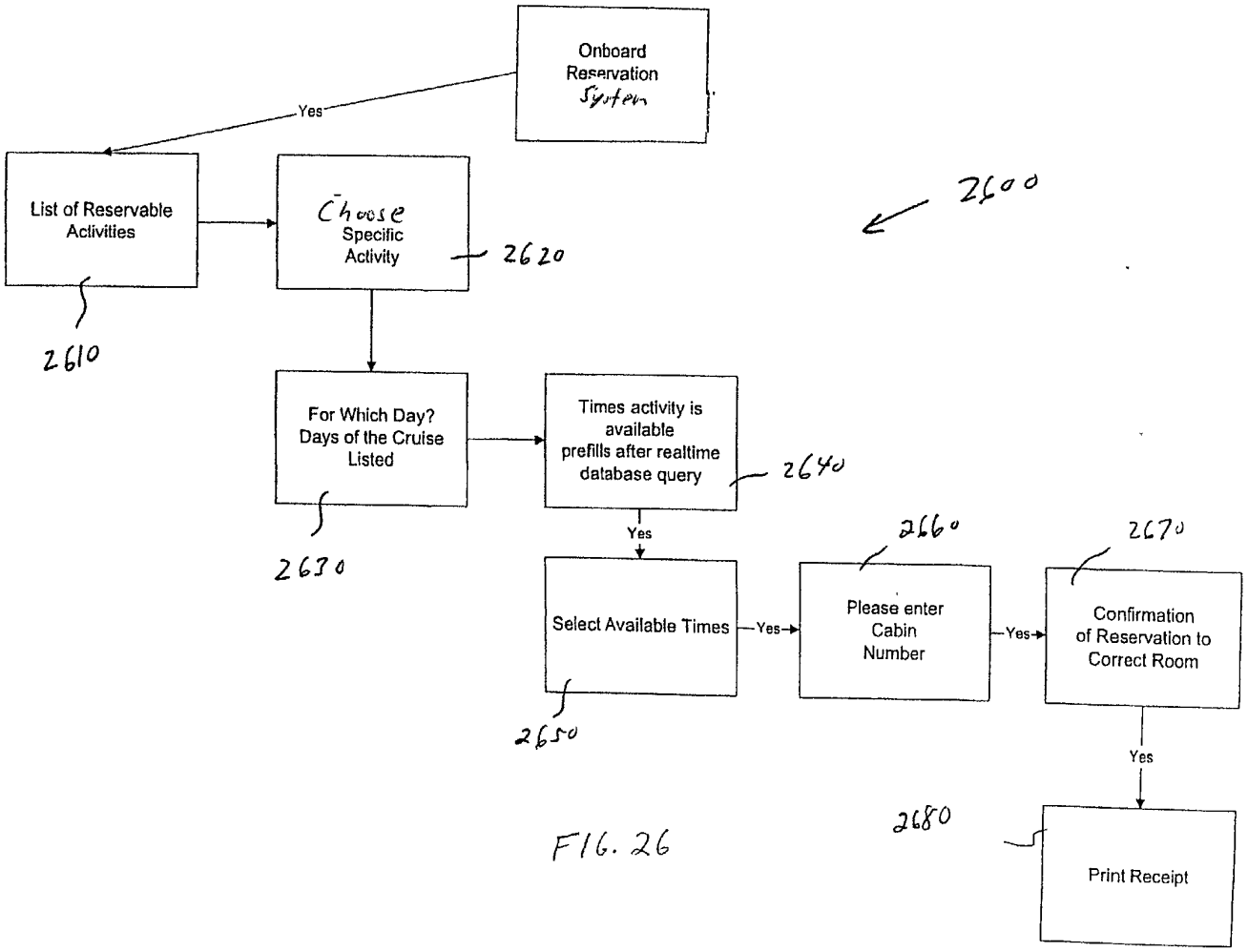

Onboard Reservation System
Yes
List of Reservable Activities
Choose Specific Activity
2620
2500
2610
For Which Day? Days of the Cruise Listed
Times activity is available prefills after realtime database query
2640
2630
Yes
2660
2670
Select Available Times
Yes
Please enter Cabin Number
Yes
Confirmation of Reservation to Correct Room
2650
Yes
2680
Print Receipt

FIG. 26

Physical Wireless Web Architectures

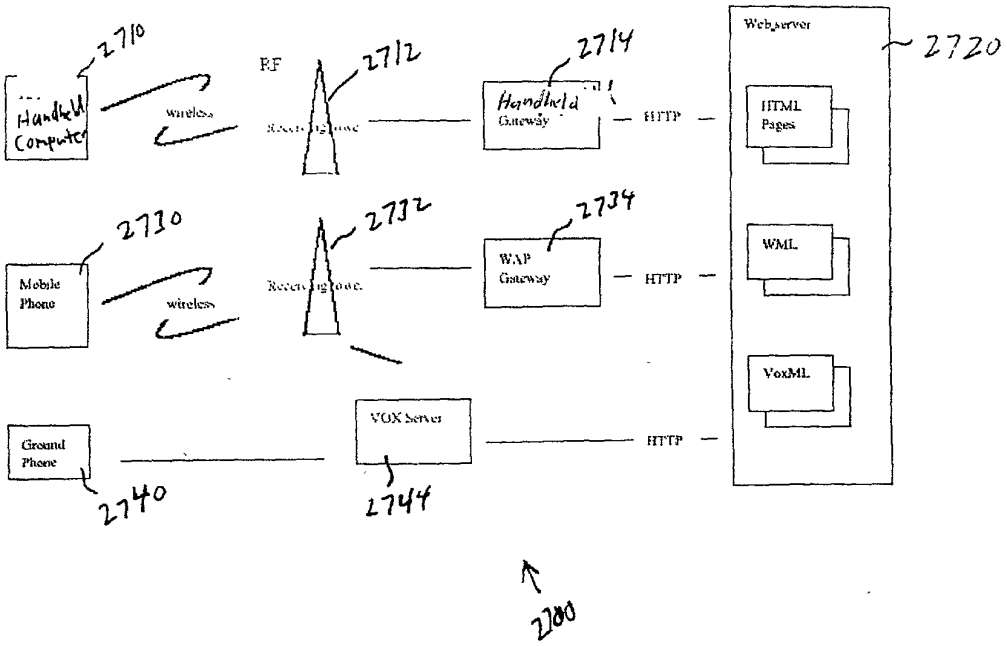


FIG. 27